

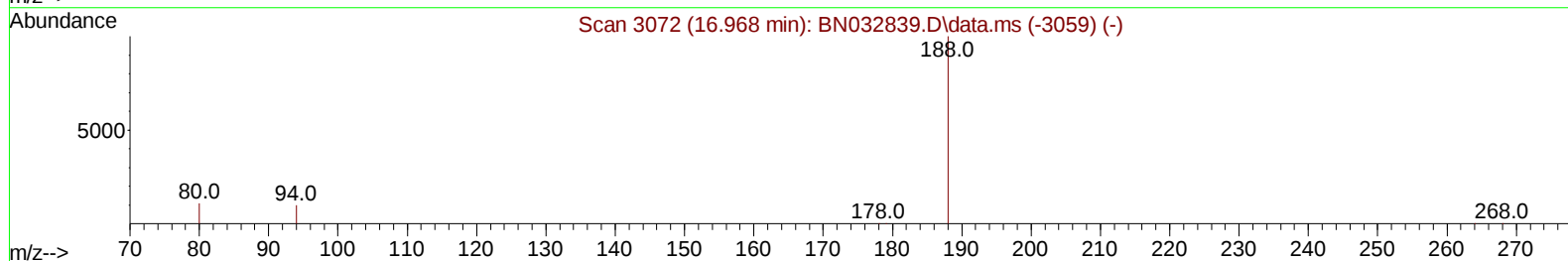
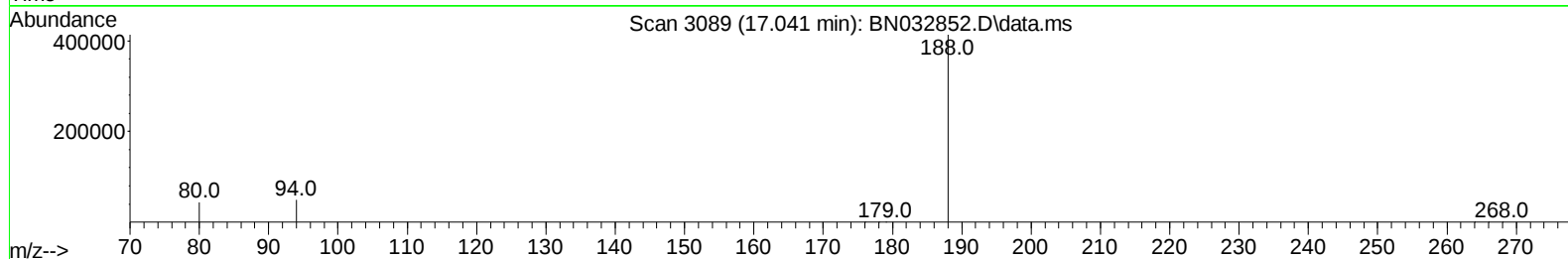
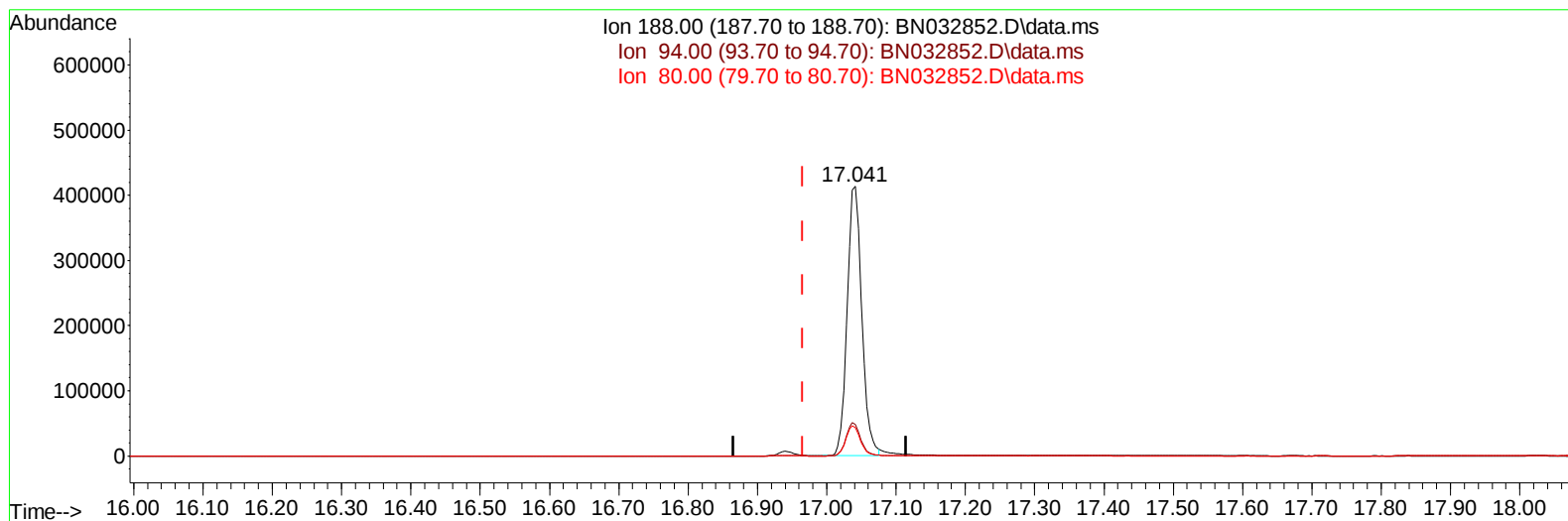
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032852.D
Acq On : 19 Jul 2024 21:50
Operator : MA/JU
Sample : P3178-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BW1

Manual IntegrationsAPPROVED

Quant Time: Jul 19 23:20:52 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 17 02:35:25 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/20/2024
Supervised By :mohammad ahmed 07/22/2024



TIC: BN032852.D\data.ms

(13) Phenanthrene-d10 (I)

17.041min (+ 0.076) 0.40 ng/u1

response 608186

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.00	11.73
80.00	12.00	10.61
0.00	0.00	0.00

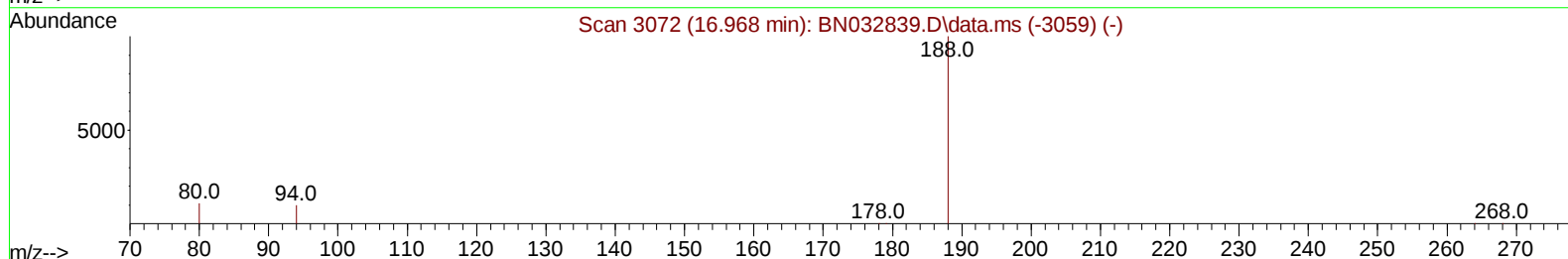
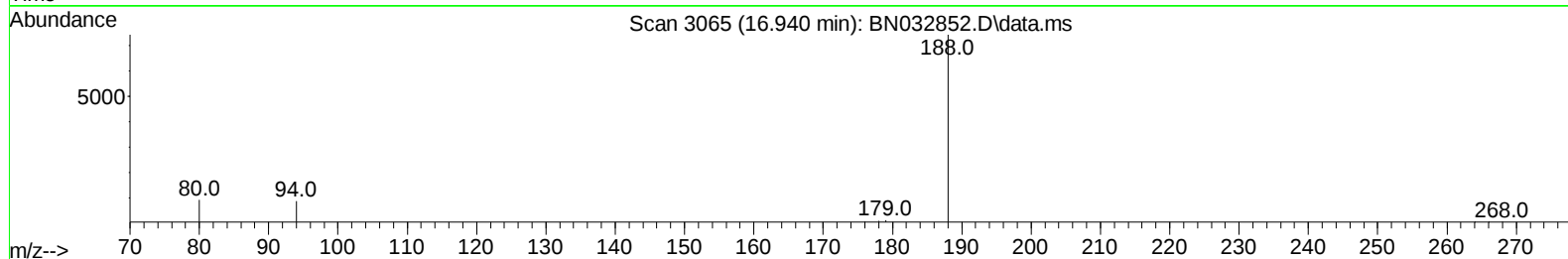
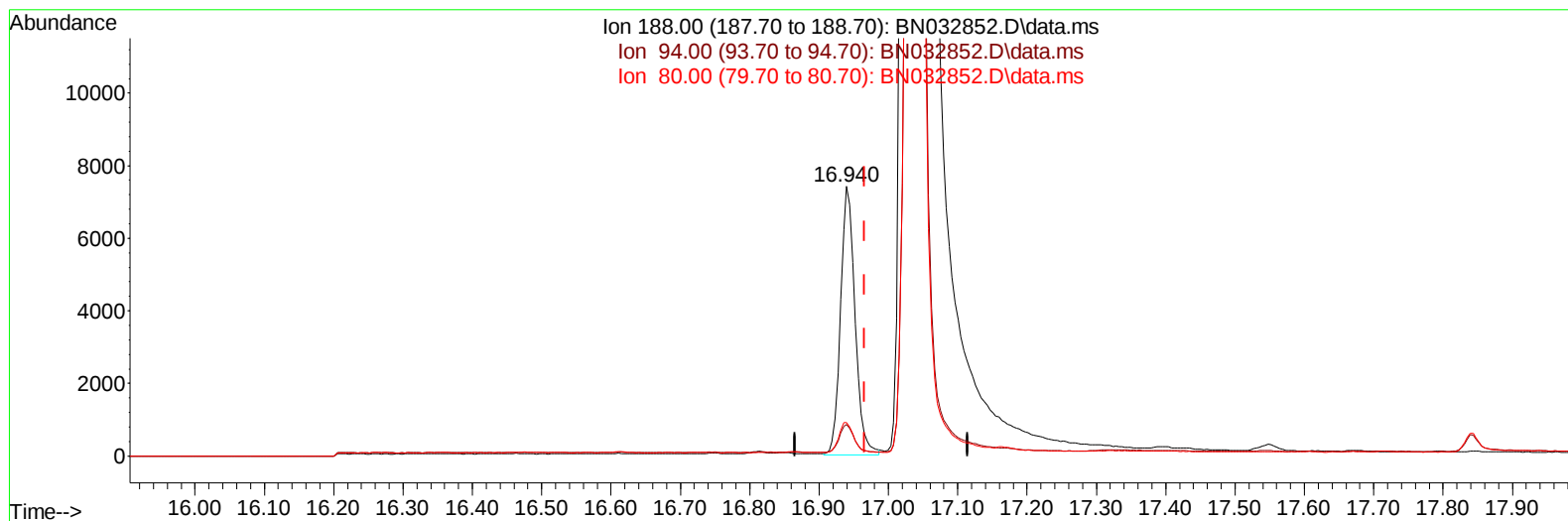
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032852.D
Acq On : 19 Jul 2024 21:50
Operator : MA/JU
Sample : P3178-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BW1

Manual IntegrationsAPPROVED

Quant Time: Jul 19 23:20:52 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Reviewed By :Yogesh Patel 07/20/2024
Supervised By :mohammad ahmed 07/22/2024



TIC: BN032852.D\data.ms

(13) Phenanthrene-d10 (I)

16.940min (-0.026) 0.40 ng/u1 m

response 10707

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.00	11.67
80.00	12.00	12.44
0.00	0.00	0.00

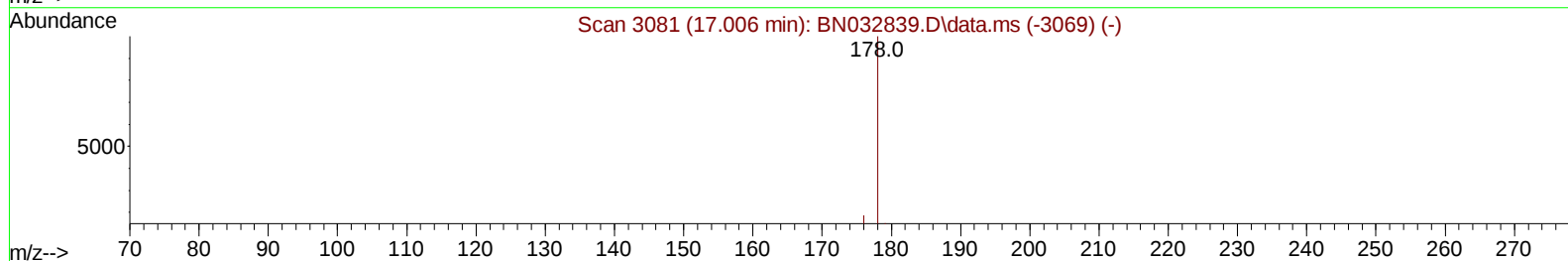
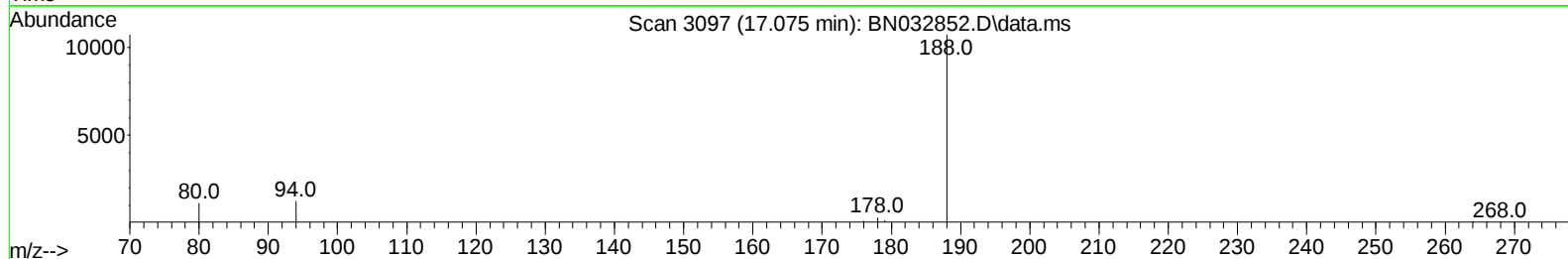
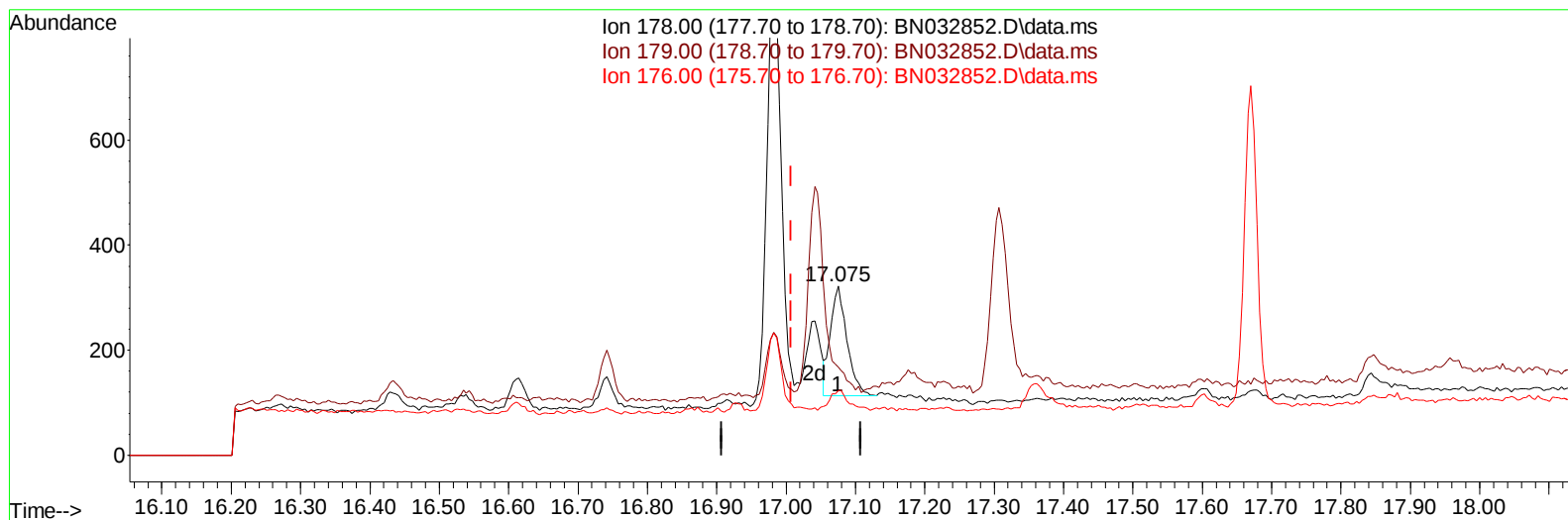
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032852.D
Acq On : 19 Jul 2024 21:50
Operator : MA/JU
Sample : P3178-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BW1

Manual IntegrationsAPPROVED

Quant Time: Jul 19 23:20:52 2024
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QLast Update : Wed Jul 17 02:35:25 2024
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Reviewed By :Yogesh Patel 07/20/2024
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TIC: BN032852.D\data.ms

(15) Phenanthrene

17.075min (+ 0.067) 0.01 ng/u1

response 347

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	51.86#
176.00	19.50	38.20#
0.00	0.00	0.00

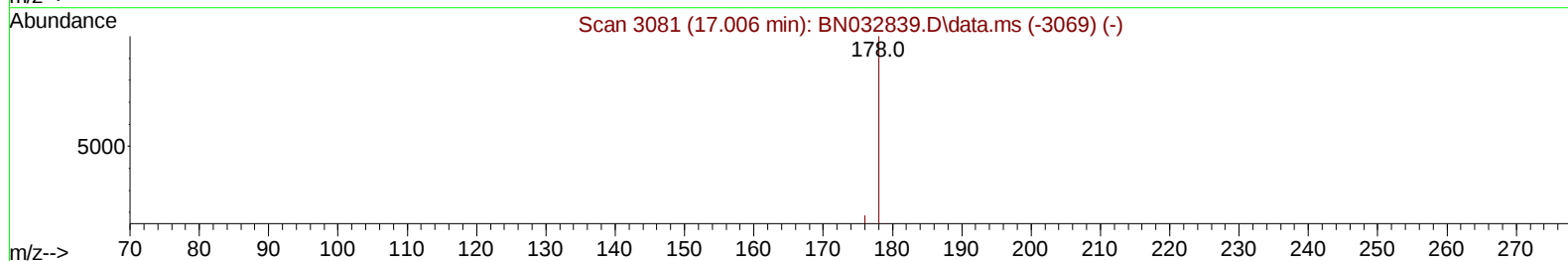
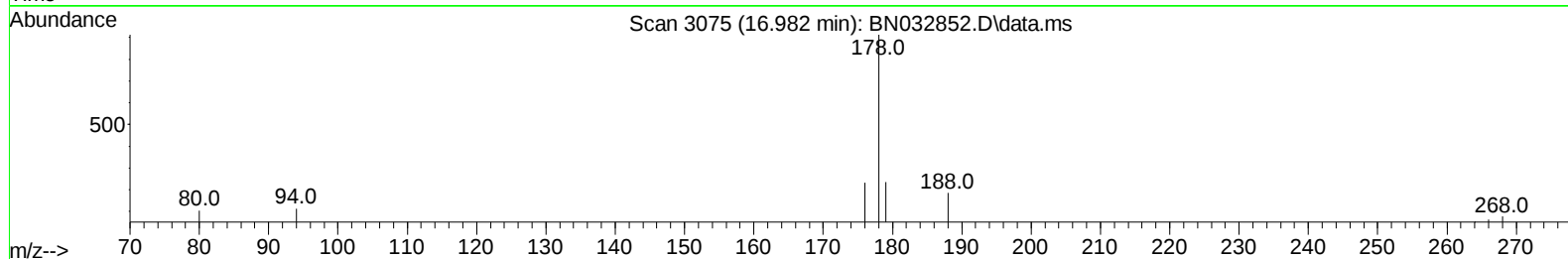
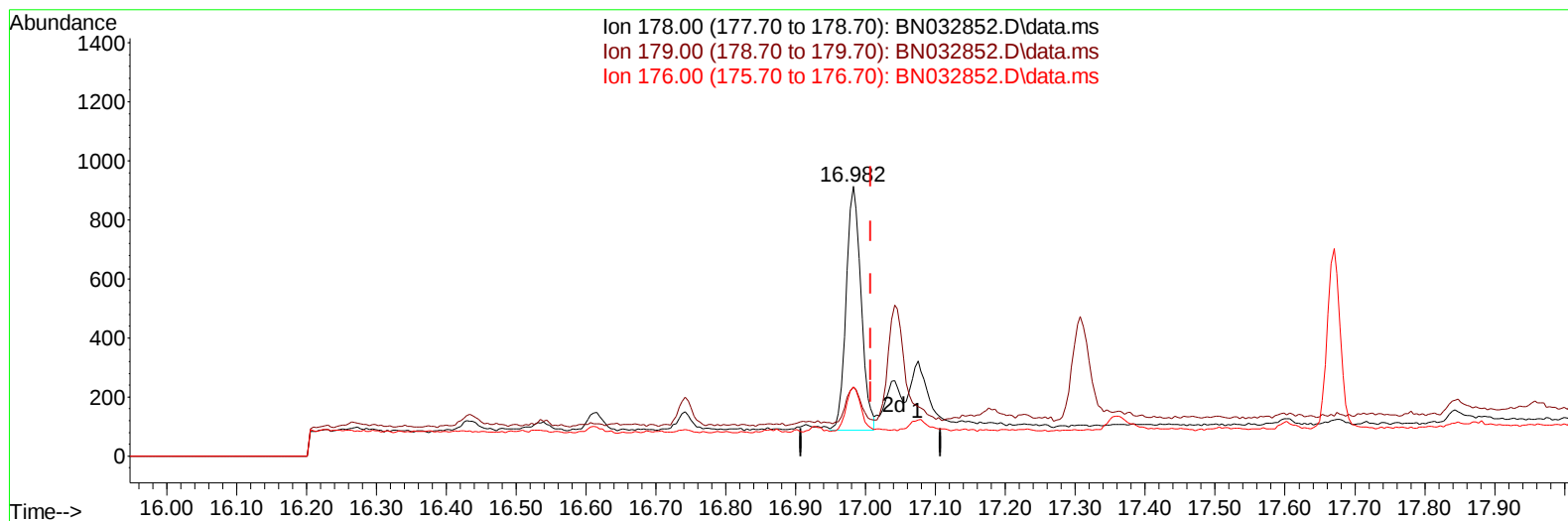
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032852.D
Acq On : 19 Jul 2024 21:50
Operator : MA/JU
Sample : P3178-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BW1

Manual IntegrationsAPPROVED

Quant Time: Jul 19 23:20:52 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 17 02:35:25 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/20/2024
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TIC: BN032852.D\data.ms

(15) Phenanthrene

16.982min (-0.026) 0.04 ng/u1 m

response 1218

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	25.63#
176.00	19.50	25.52#
0.00	0.00	0.00

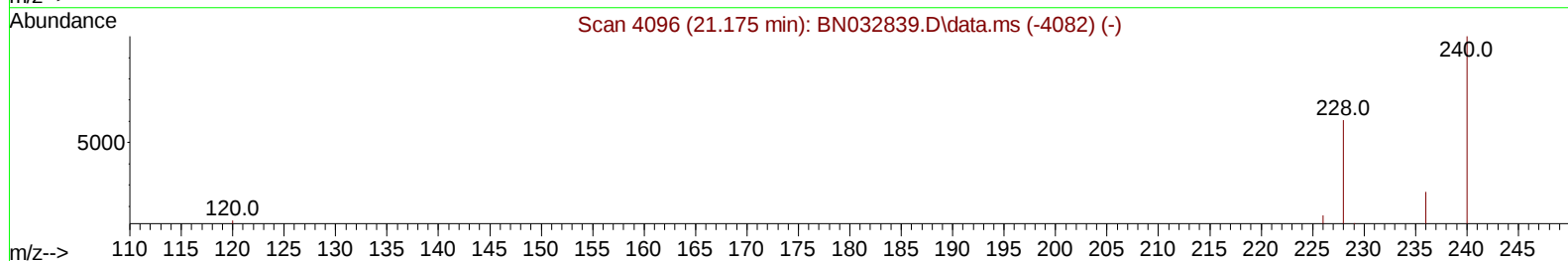
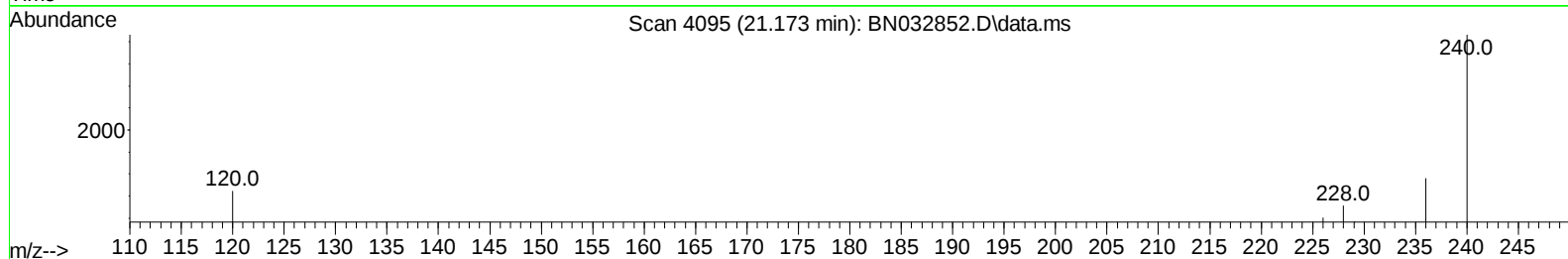
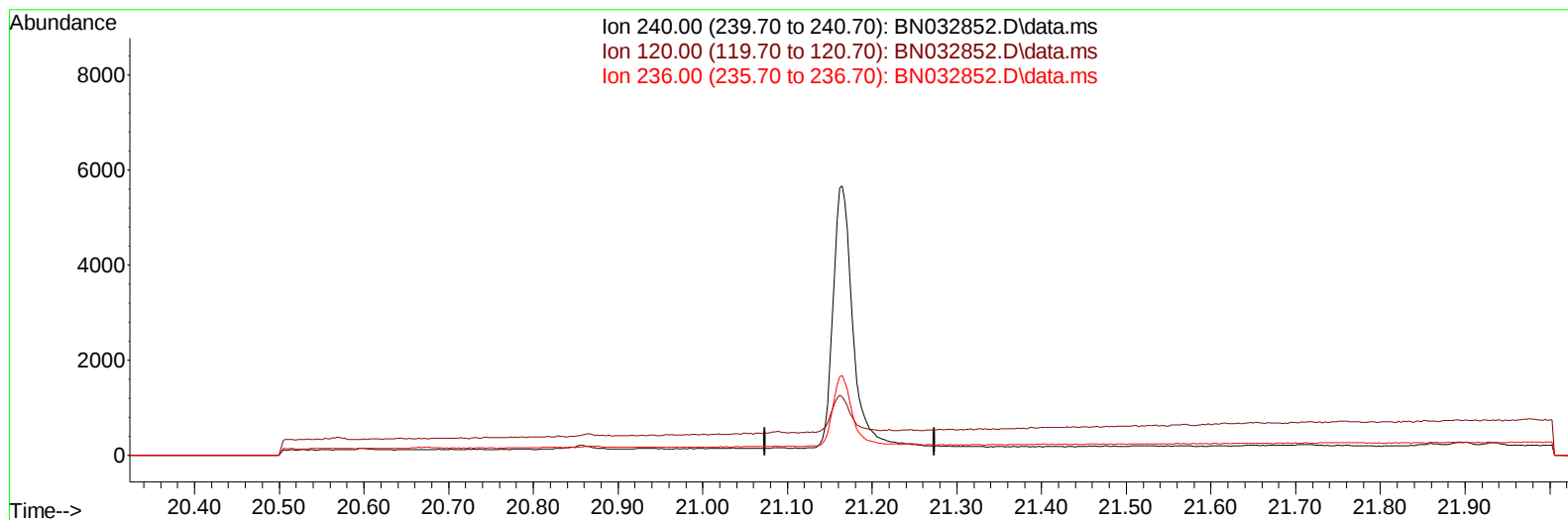
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032852.D
Acq On : 19 Jul 2024 21:50
Operator : MA/JU
Sample : P3178-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BW1

Manual IntegrationsAPPROVED

Quant Time: Jul 19 23:20:52 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
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TIC: BN032852.D\data.ms

(17) Chrysene-d12

21.174min (-21.174) 0.00 ng/u1

response 0

Ion	Exp%	Act%
240.00	100.00	0.00
120.00	18.00	0.00#
236.00	28.40	0.00#
0.00	0.00	0.00

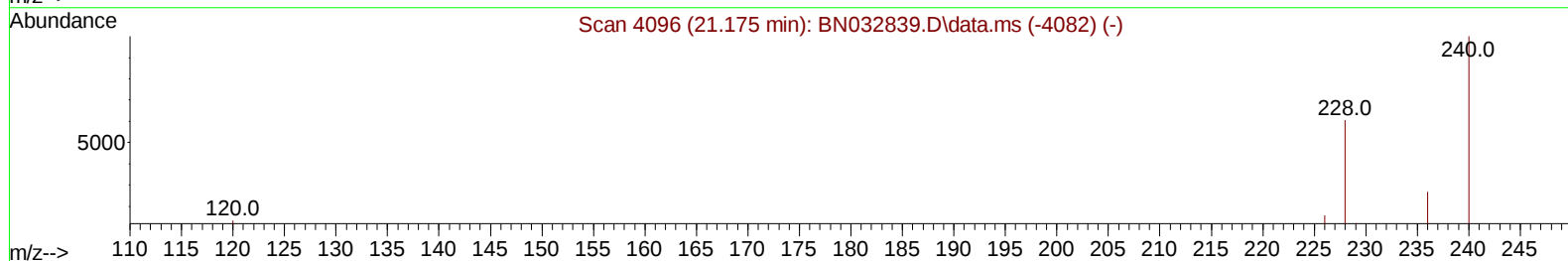
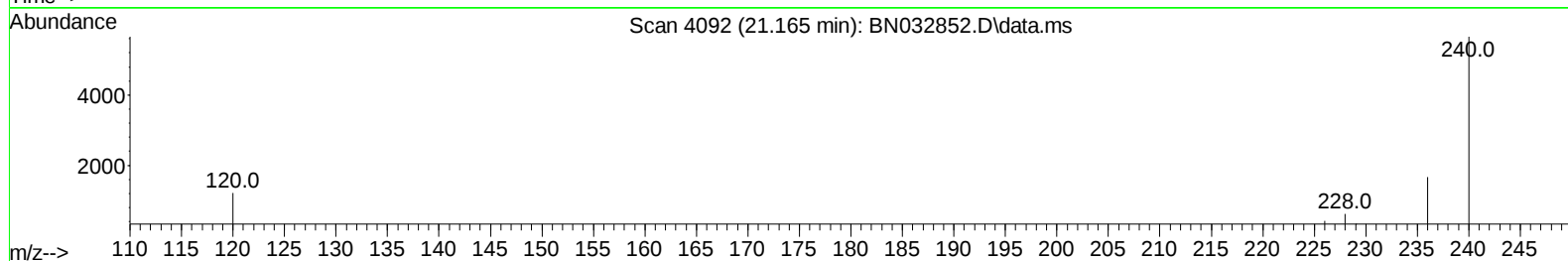
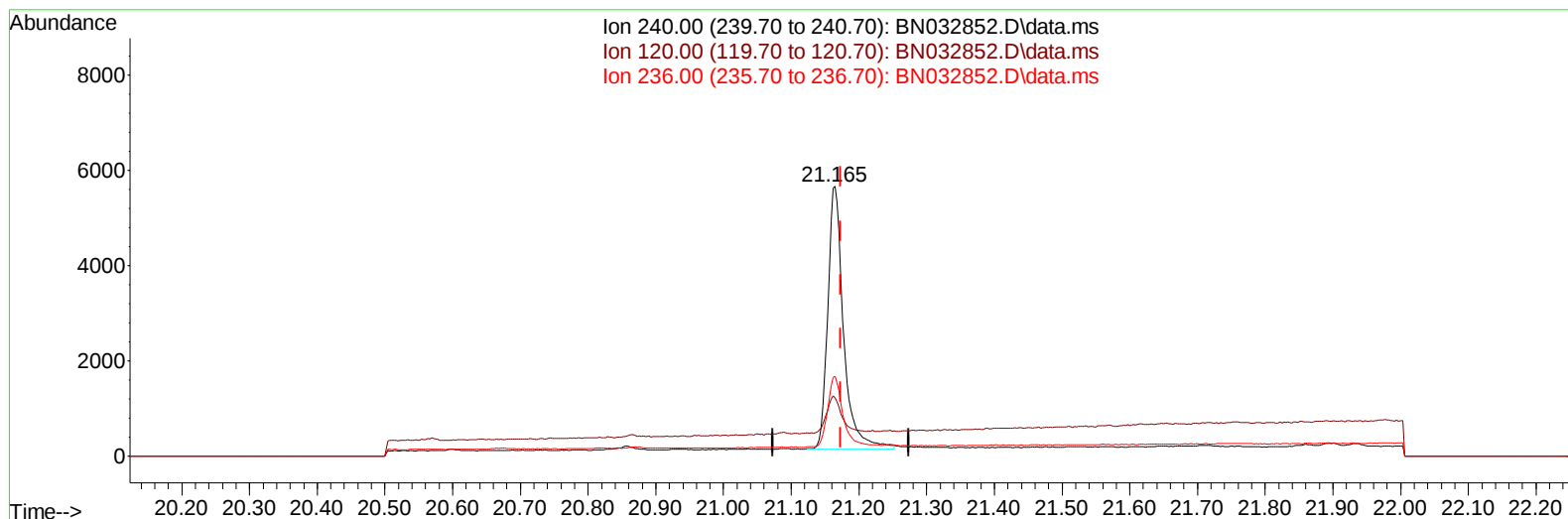
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032852.D
Acq On : 19 Jul 2024 21:50
Operator : MA/JU
Sample : P3178-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BW1

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/20/2024
Supervised By :mohammad ahmed 07/22/2024

Quant Time: Jul 19 23:20:52 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 17 02:35:25 2024
Response via : Initial Calibration



TIC: BN032852.D\data.ms

(17) Chrysene-d12

21.165min (-0.009) 0.40 ng/ul m

response 9024

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	18.00	21.54
236.00	28.40	29.55
0.00	0.00	0.00

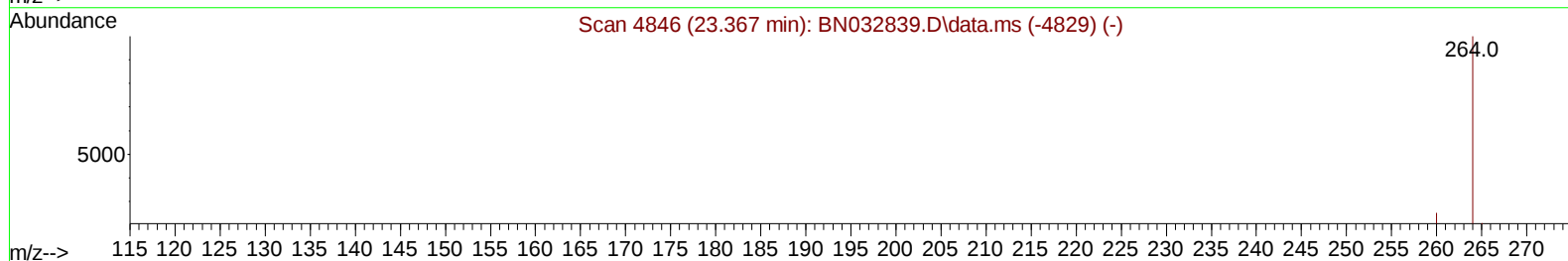
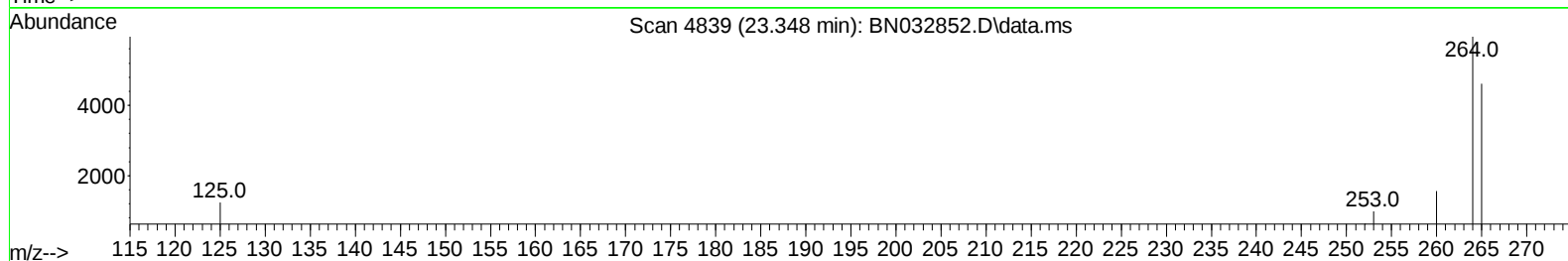
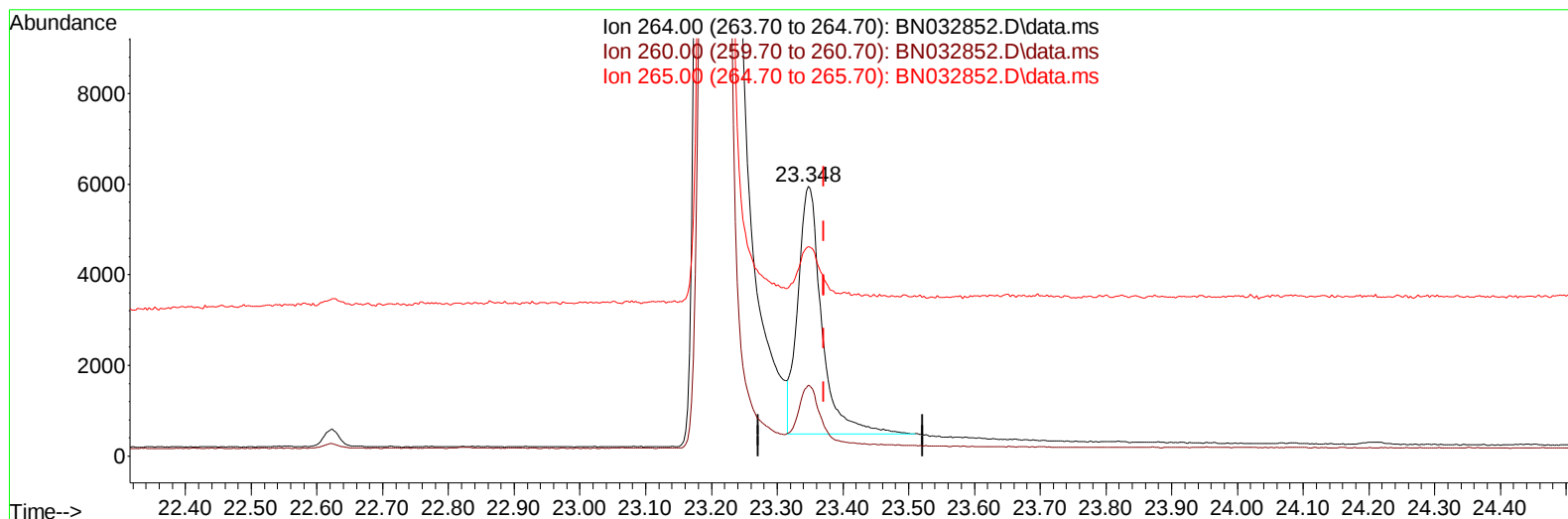
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032852.D
Acq On : 19 Jul 2024 21:50
Operator : MA/JU
Sample : P3178-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BW1

Manual IntegrationsAPPROVED

Quant Time: Jul 19 23:20:52 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
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QLast Update : Wed Jul 17 02:35:25 2024
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Reviewed By :Yogesh Patel 07/20/2024
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TIC: BN032852.D\data.ms

(23) Perylene-d12 (I)

23.348min (-0.024) 0.40 ng/u1

response 13774

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.10	26.34
265.00	95.50	77.66
0.00	0.00	0.00

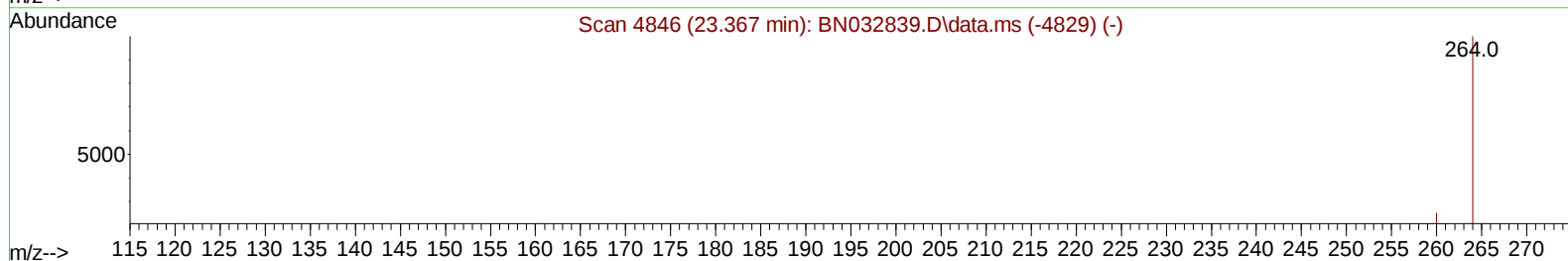
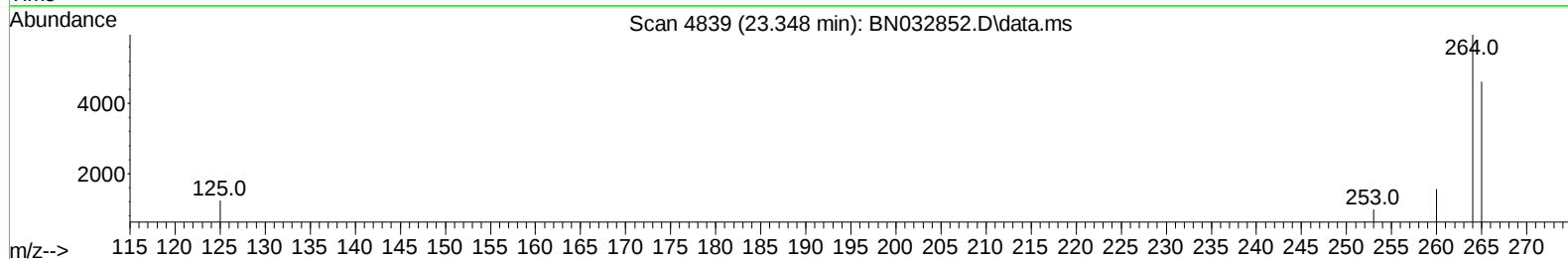
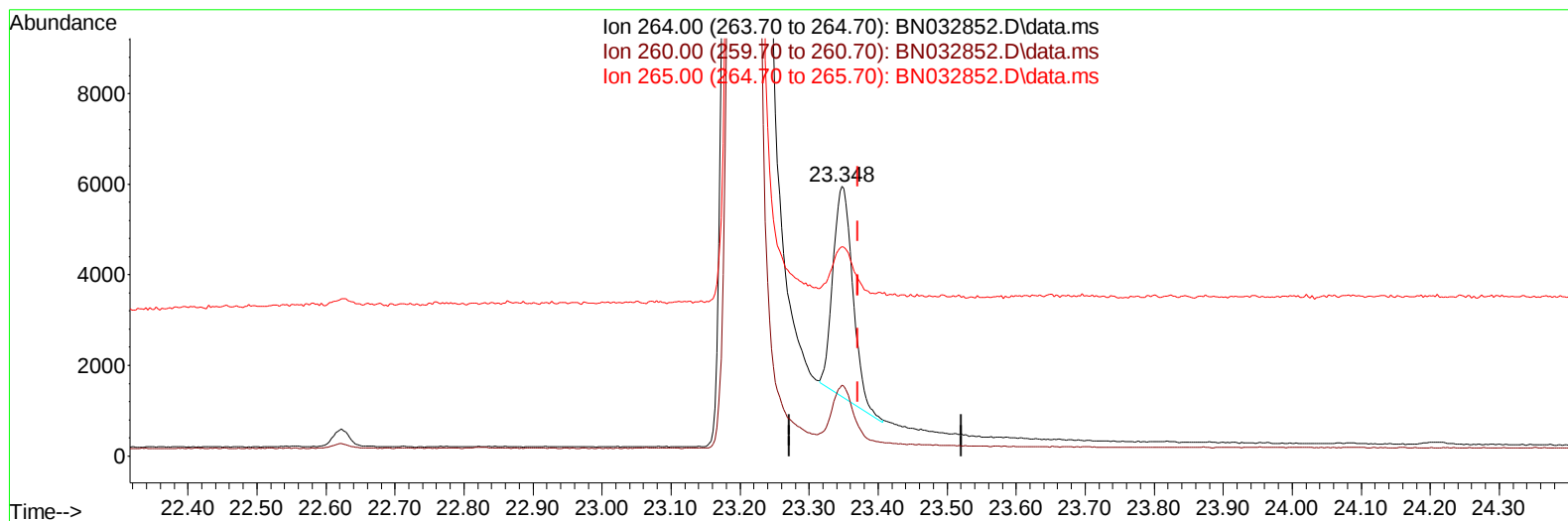
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032852.D
Acq On : 19 Jul 2024 21:50
Operator : MA/JU
Sample : P3178-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BW1

Manual IntegrationsAPPROVED

Quant Time: Jul 19 23:20:52 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
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QLast Update : Wed Jul 17 02:35:25 2024
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Reviewed By :Yogesh Patel 07/20/2024
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TIC: BN032852.D\data.ms

(23) Perylene-d12 (I)

23.348min (-0.024) 0.40 ng/ul m

response 9252

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.10	26.34
265.00	95.50	77.66
0.00	0.00	0.00

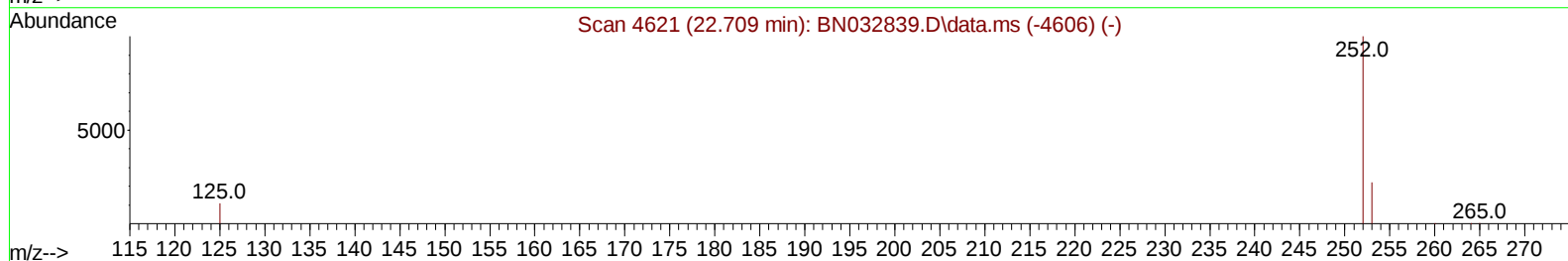
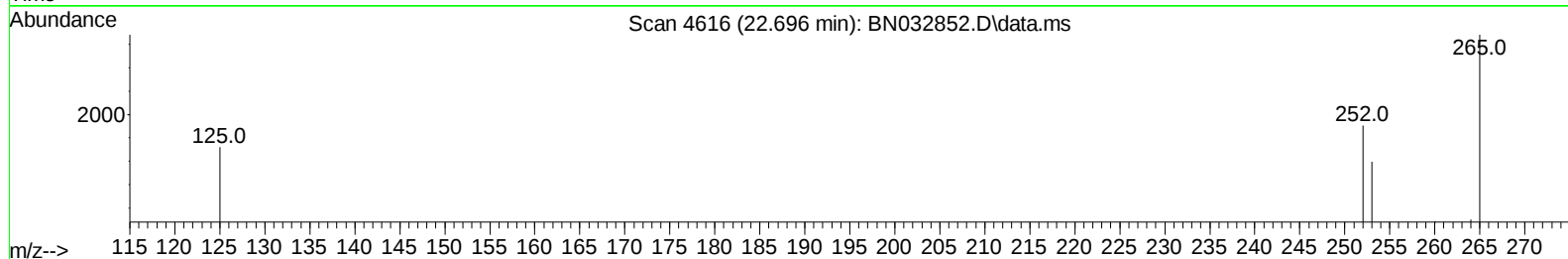
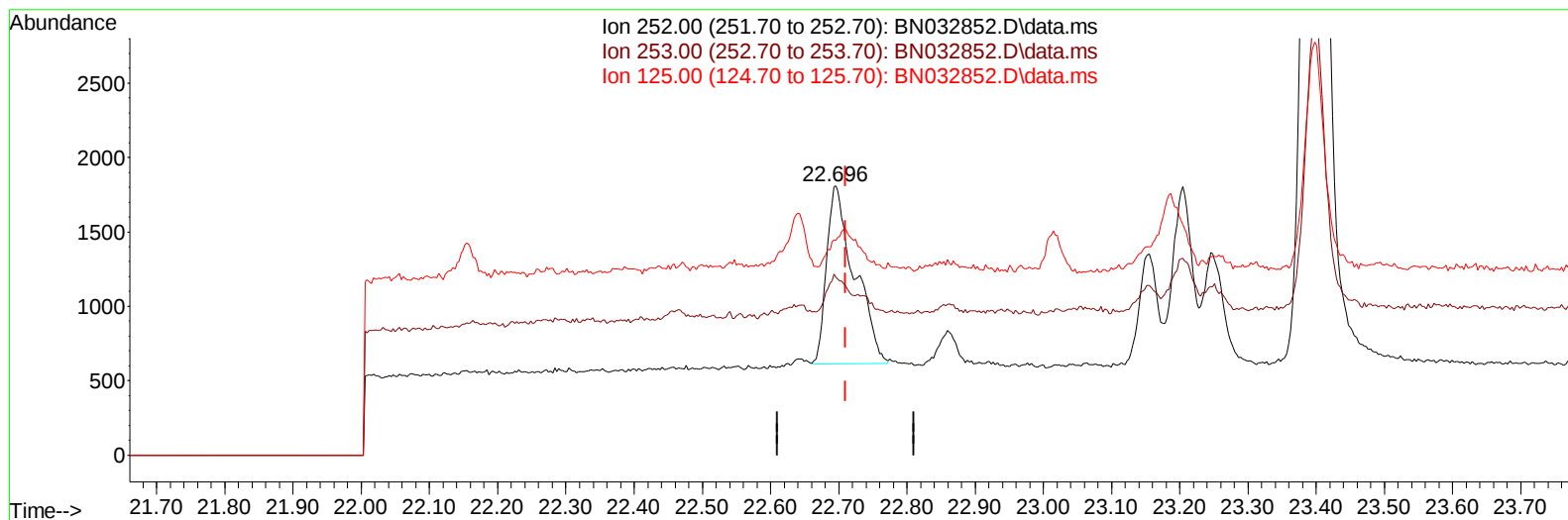
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032852.D
Acq On : 19 Jul 2024 21:50
Operator : MA/JU
Sample : P3178-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BW1

Manual IntegrationsAPPROVED

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TIC: BN032852.D\data.ms

(24) Benzo(b)fluoranthene

22.696min (-0.015) 0.10 ng/u1

response 3405

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.00	66.21#
125.00	18.00	79.70#
0.00	0.00	0.00

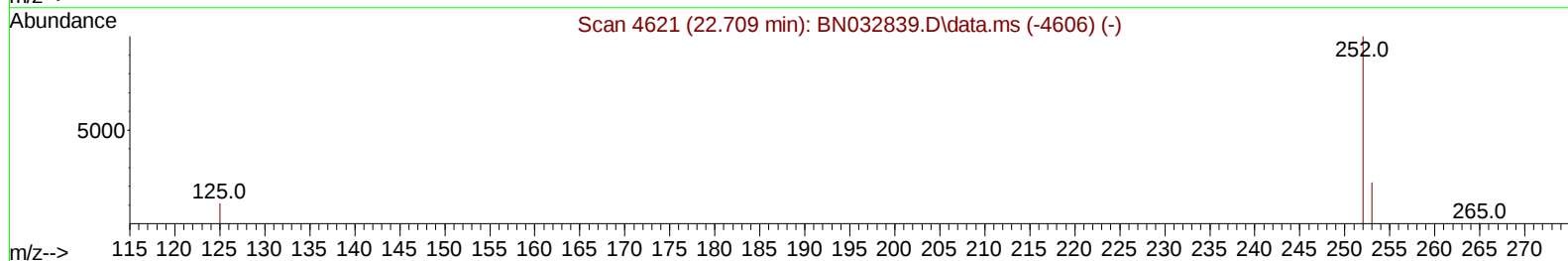
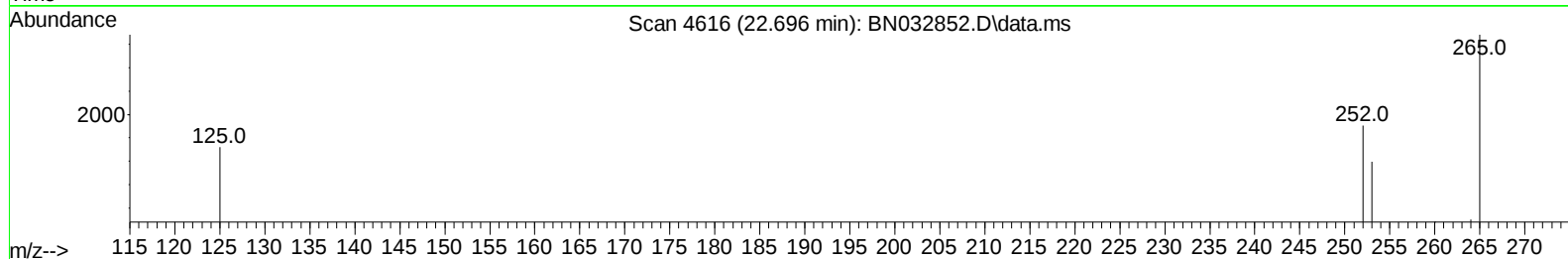
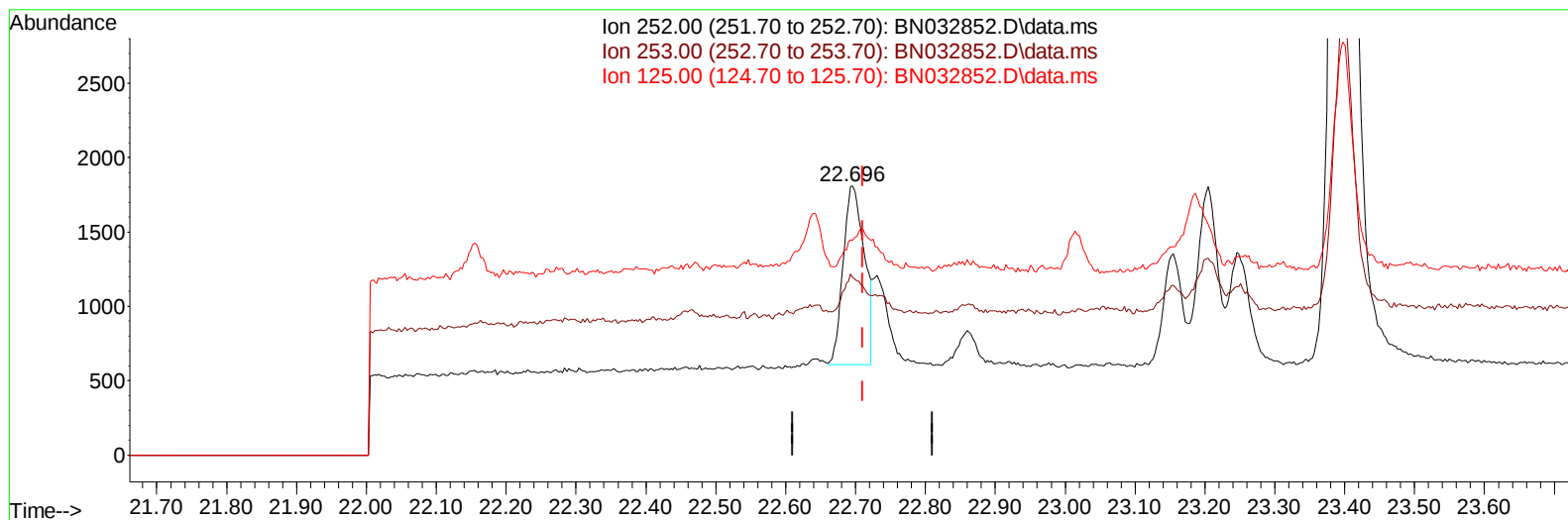
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
 Data File : BN032852.D
 Acq On : 19 Jul 2024 21:50
 Operator : MA/JU
 Sample : P3178-15
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4BW1

Manual IntegrationsAPPROVED

Quant Time: Jul 19 23:20:52 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
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TIC: BN032852.D\data.ms

(24) Benzo(b)fluoranthene

22.696min (-0.015) 0.08 ng/u1 m

response 2545

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.00	66.21#
125.00	18.00	79.70#
0.00	0.00	0.00

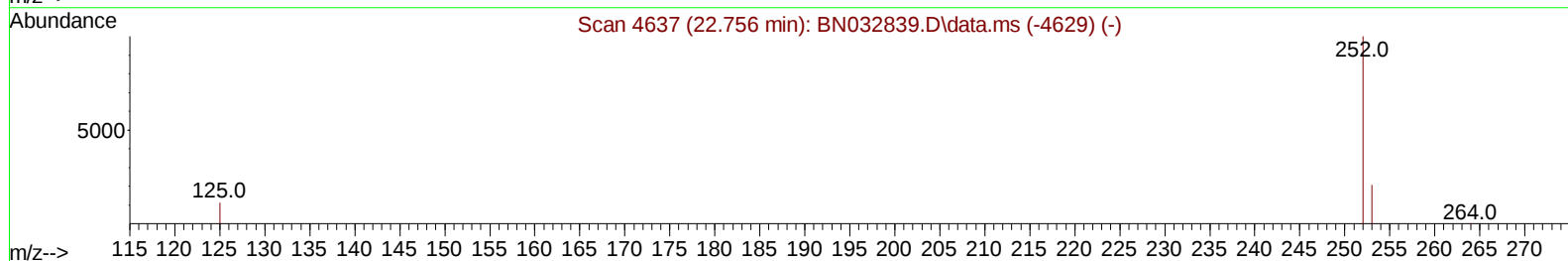
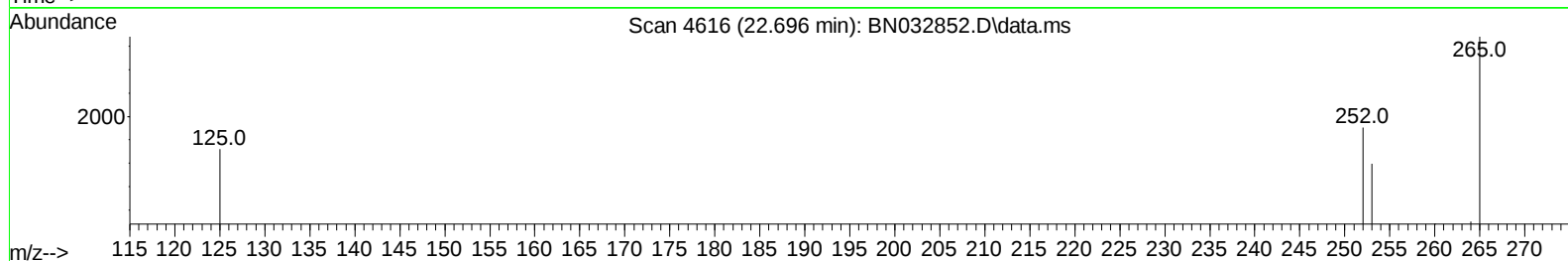
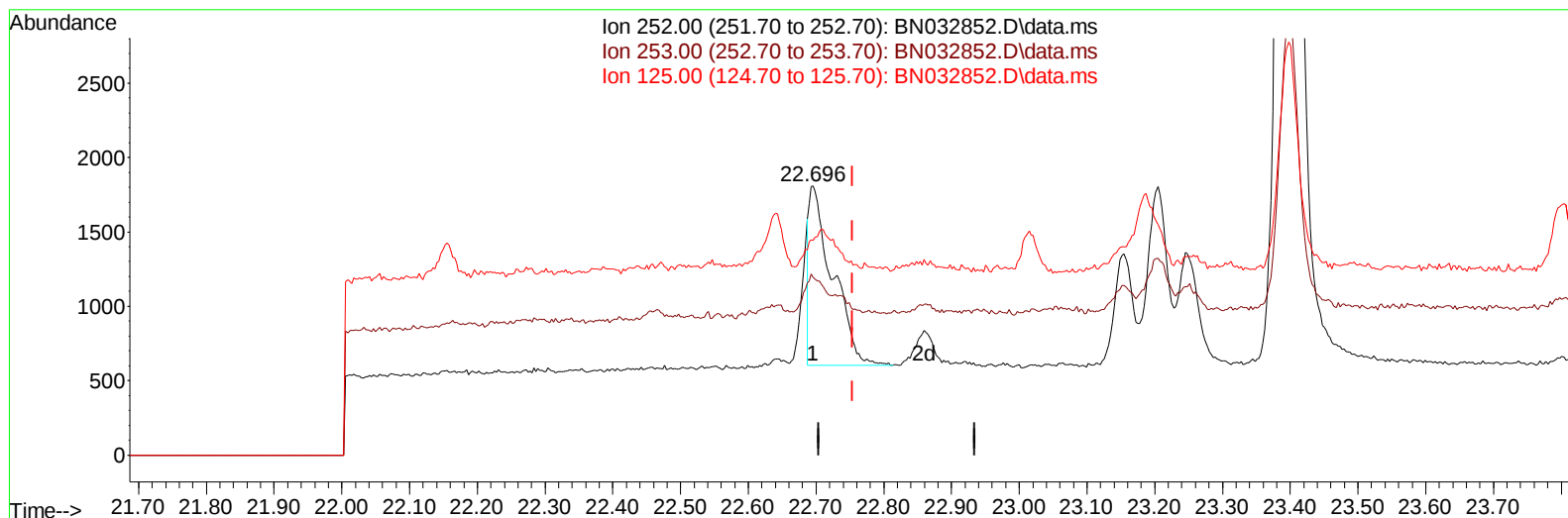
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Data File : BN032852.D
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Operator : MA/JU
Sample : P3178-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BW1

Manual IntegrationsAPPROVED

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Supervised By :mohammad ahmed 07/22/2024



TIC: BN032852.D\data.ms

(25) Benzo(k)fluoranthene

22.696min (-0.059) 0.07 ng/u1

response 2888

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.50	66.21#
125.00	18.50	79.70#
0.00	0.00	0.00

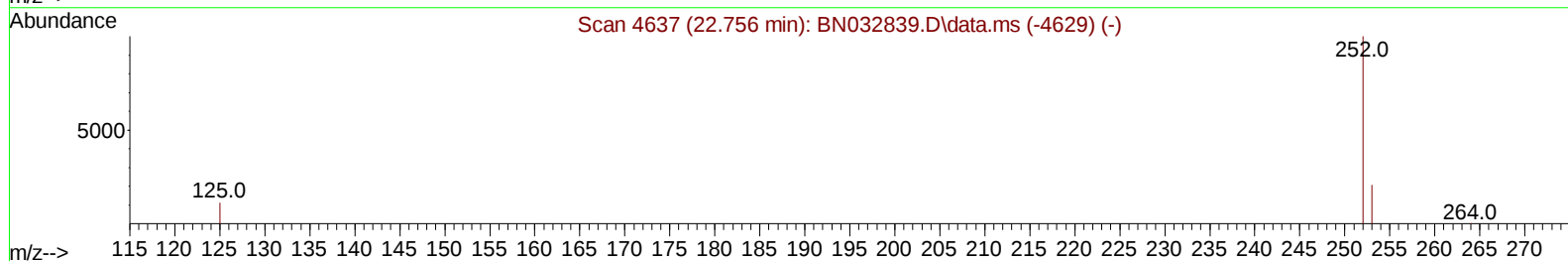
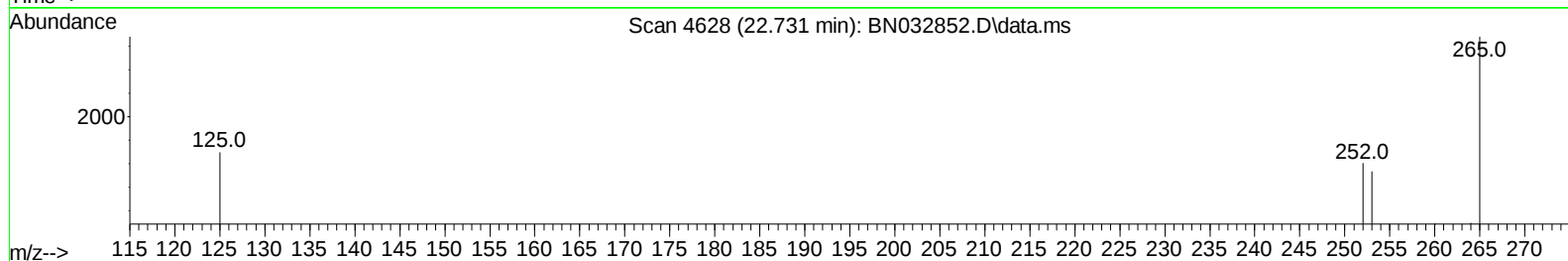
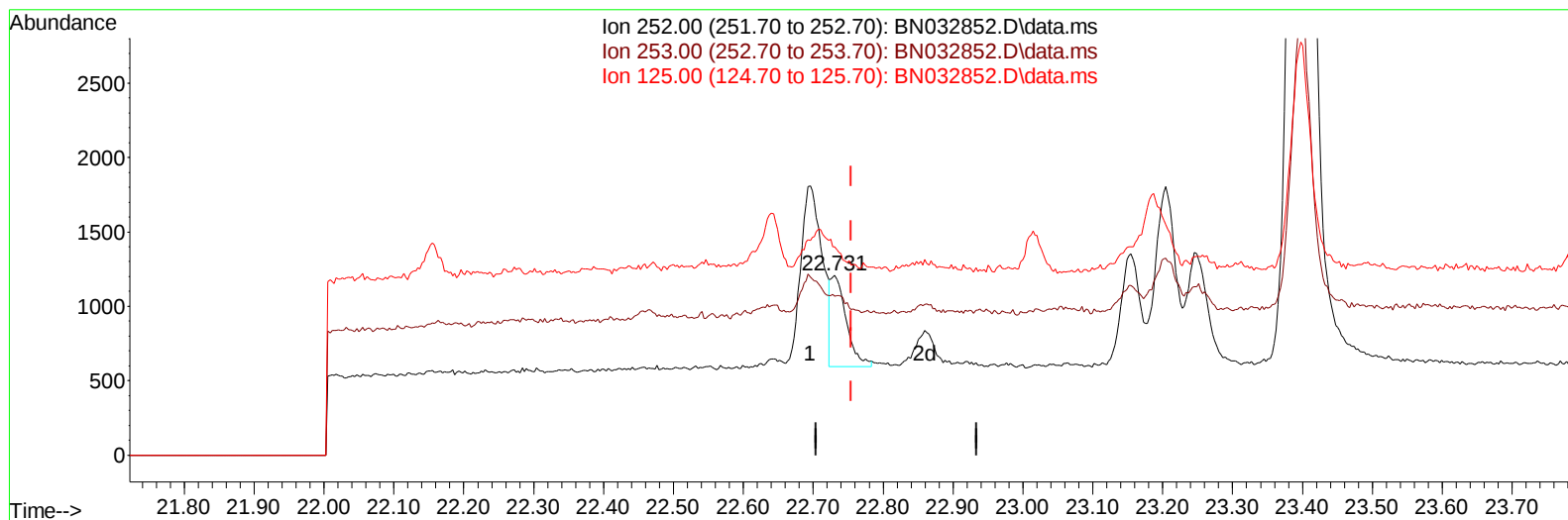
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Acq On : 19 Jul 2024 21:50
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Sample : P3178-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BW1

Manual IntegrationsAPPROVED

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TIC: BN032852.D\data.ms

(25) Benzo(k)fluoranthene

22.731min (-0.024) 0.02 ng/u1 m

response 971

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.50	88.41#
125.00	18.50	115.98#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
 Data File : BN032852.D
 Acq On : 19 Jul 2024 21:50
 Operator : MA/JU
 Sample : P3178-15
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4BW1

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Compound	R.T.	Q	Ion	Response	Conc	Units	Dev(Min)

Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.527	152		3645	0.400	ng/ul	-0.03
4) Naphthalene-d8	10.299	136		11291	0.400	ng/ul	-0.03
9) Acenaphthene-d10	14.179	164		6107	0.400	ng/ul	-0.02
13) Phenanthrene-d10	16.940	188		10707m	0.400	ng/ul	-0.03
17) Chrysene-d12	21.165	240		9024m	0.400	ng/ul	0.00
23) Perylene-d12	23.348	264		9252m	0.400	ng/ul	-0.02
System Monitoring Compounds							
3) 1,4-Dioxane-d8	3.089	96		14446	3.301	ng/ul	-0.01
6) 2-Methylnaphthalene-d10	11.900	152		3788	0.222	ng/ul	-0.03
18) Fluoranthene-d10	18.985	212		6964	0.237	ng/ul	-0.02
Target Compounds							
						Qvalue	
10) Acenaphthylene	13.897	152		649	0.026	ng/ul#	57
15) Phenanthrene	16.982	178		1218m	0.042	ng/ul	
19) Fluoranthene	19.017	202		2871	0.078	ng/ul#	1
20) Pyrene	19.380	202		2528	0.067	ng/ul#	82
21) Benzo(a)anthracene	21.150	228		1722	0.060	ng/ul#	64
22) Chrysene	21.200	228		1800	0.043	ng/ul#	72
24) Benzo(b)fluoranthene	22.696	252		2545m	0.078	ng/ul	
25) Benzo(k)fluoranthene	22.731	252		971m	0.024	ng/ul	
26) Benzo(a)pyrene	23.245	252		1432	0.051	ng/ul#	1
27) Indeno(1,2,3-cd)pyrene	25.576	276		1246	0.033	ng/ul#	85
29) Benzo(g,h,i)perylene	26.253	276		1322	0.041	ng/ul#	17

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071924\
Data File : BN032852.D
Acq On : 19 Jul 2024 21:50
Operator : MA/JU
Sample : P3178-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BW1

Manual IntegrationsAPPROVED

Quant Time: Jul 19 23:20:52 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 17 02:35:25 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/20/2024
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